

AIRBORNE TOXIC CONTROL MEASURE FOR CRUISE SHIP ONBOARD INCINERATION



**November 17, 2005
Board Hearing
Sacramento, California**



California Environmental Protection Agency

Air Resources Board

Overview

- Background
- Proposed ATCM
- Impacts
- Future Activities
- Summary and Recommendation



Background

Assembly Bill 471

- Effective January 1, 2005, prohibits cruise ships from incinerating within three miles of the California coast
- ARB to enforce, and may adopt standards, rules, and regulations
- Reduces public exposure to toxic air contaminants

Why are We Concerned with Onboard Incineration?

- Source of toxic air contaminants
- Increase in number of cruise ships that will operate in California
 - ◆ Currently about 650 port calls statewide (2004)
 - ◆ 25 percent increase in number of cruise ships expected over the next 10 years
- Docking berths located in close proximity to residents

Regulatory Development Process

- Workgroup meetings
- Two public workshops
- Cruise Ship Onboard Incinerator Survey
- Cruise ship site visit

Proposed Airborne Toxic Control Measure



Applicability

- Cruise ships that carry 250 or more passengers
- Does not apply to:
 - Vessels without berths or overnight accommodations for passengers
 - Noncommercial vessels, military vessels, vessels operated by non-profit groups, California or federal government operated ships

Key Elements

- Prohibits onboard incineration within three nautical miles of the California coast
- Establishes recordkeeping and reporting requirements
- Establishes boundary line for “within three miles of the California coast”
- Allows for updates to NOAA nautical charts

Recordkeeping & Reporting

- Date and time of start and stop of incineration
- The position of ship in latitude and longitude
- The estimated amount incinerated
- Name or signature of officer in charge of operation
- Records available upon request for inspection or upon request by Executive Officer

Three Mile Determination

- Uses the Three Nautical Mile Line as shown on NOAA Nautical Charts
- State of California represented by seven NOAA charts

Updates to NOAA Charts

- NOAA periodically updates charts
- Executive Officer may revise definition as updates to NOAA charts are made
- Publish revisions in California Regulatory Notice Register
- Notify cruise ship owners or operators of updates

Enforcement

- ARB enforcement
- Annual onboard inspections
- Review of incineration records



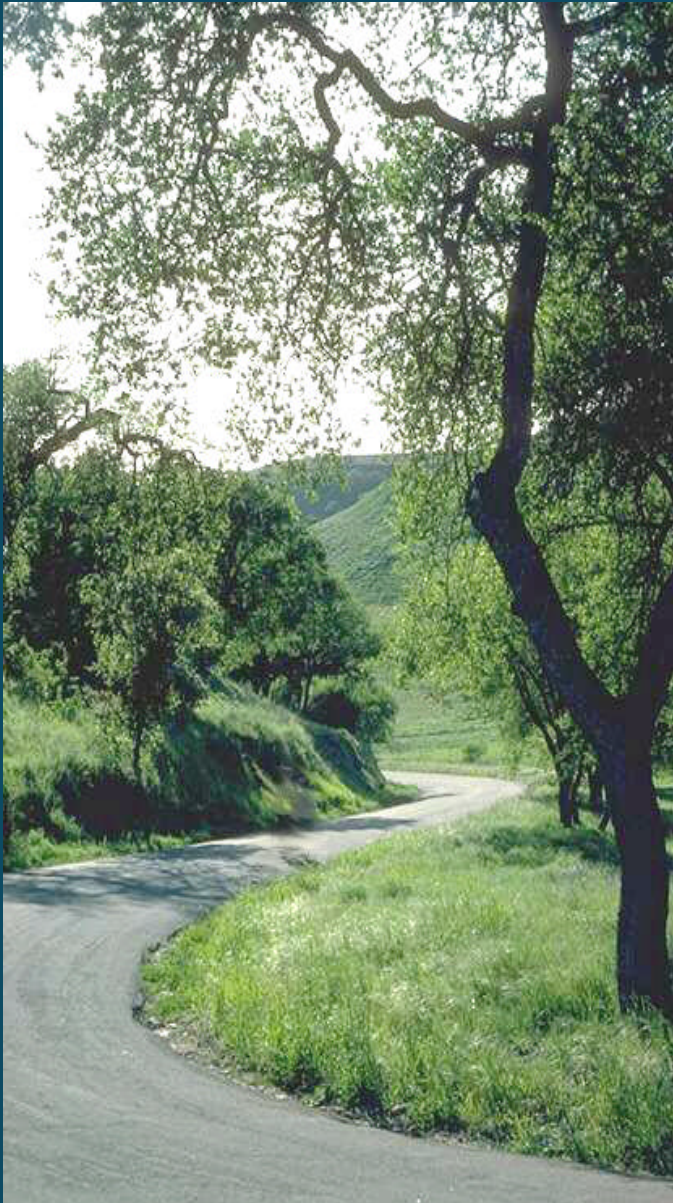
Impacts

Benefits of the Proposed ATCM

- AB 471 in combination with the proposed ATCM will reduce exposure to toxic air contaminants for port and coastal communities
 - ◆ Reduced public exposure to dioxins, furans, PAHs, metals, and criteria pollutants
- Statewide consistency

Economic Impacts

- Negligible Costs to Industry
 - ◆ Prior to AB 471 effective date, most ships did not incinerate within three nautical miles of the California coast
 - ◆ Recordkeeping requirements are similar to existing international requirements.



Future Activities

Future Activities

- Senate Bill 771 signed by the Governor in October 2005
- Includes oceangoing vessels greater than 300 gross tons, effective January 1, 2006
- ARB Staff to propose amendments in 2006

Summary

- Proposed ATCM reduces exposure to toxic air contaminants
- Clarifies definition of “within three miles of the California coast”
- Incorporates recordkeeping and reporting requirements to assist enforcement

Recommendation

- Adopt proposed ATCM

